

## Recombinant Human RAD50 protein, GST-tagged

**Cat. No.** RAD50-301476H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                        |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human RAD50 (275-425 aa) protein, fused to GST tag, was expressed in E. coli.                                                                                                                                              |
| <b>Species</b>          | Human                                                                                                                                                                                                                                  |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                 |
| <b>ProteinLength</b>    | Leu275-Lys425                                                                                                                                                                                                                          |
| <b>Form</b>             | The purified protein was Lyophilized from sterile PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH8.). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. |
| <b>AA Sequence</b>      | LDSRKKQMEKDNSELEEKMEKVFQGTDEQLNDLYHNNHQRTVREKERKLVDCHREL<br>EKLNKESRLLNQEKSELLVEQGRLQLQADRHQEHIRARDSLIQSLATQLELDGFERG<br>PFSERQIKNFHKLVRERQEGEAKTANQLMNDFAEKETLK                                                                       |
| <b>Purity</b>           | 90%, by SDS-PAGE with Coomassie Brilliant Blue staining.                                                                                                                                                                               |
| <b>Stability</b>        | Store for up to 12 months at -20°C to -80°C as lyophilized powder.                                                                                                                                                                     |
| <b>Storage</b>          | Short-term storage: Store at 2-8°C for (1-2 weeks).<br>Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.   |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

## GENE INFORMATION

|                 |                                                                                                                                |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------|
| Gene Name       | RAD50 RAD50 homolog (S. cerevisiae) [ Homo sapiens ]                                                                           |
| Official Symbol | RAD50                                                                                                                          |
| Synonyms        | RAD50; RAD50 homolog (S. cerevisiae); RAD50 (S. cerevisiae) homolog; DNA repair protein RAD50; hRad50; RAD50 2; NBSLD; RAD502; |
| Gene ID         | 10111                                                                                                                          |
| mRNA Refseq     | NM_005732                                                                                                                      |
| Protein Refseq  | NP_005723                                                                                                                      |
| MIM             | 604040                                                                                                                         |
| UniProt ID      | Q92878                                                                                                                         |

 Tel: 1-631-559-9269 1-516-512-3133 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127 45-1 Ramsey Road, Shirley, NY 11967, USA